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LINE QUALITY CHARACTERISTIC EVALUATION SYSTEMABSTRACT OF THE DISCLOSURE

A line quality characteristic evaluation system for estimating a line quality characteristic under an interference environment including nonlinear interference for a wireless communication system including at least one interfering wireless line, including a line quality estimating unit estimating the line quality of a wireless communication line under a nonlinear interference wireless line in an area in which wireless communication lines and interfering wireless lines are present together based on nonlinear distortion included by all wireless lines and expressed by an intercept point input level (IIP), a reception equivalent band limitation expressed by attenuation of the intercept point input level (IIP), reception side thermal noise of the wireless communication lines, and leakage power from other interfering wireless lines leaking into the reception equivalent band.